

| Aircraft altitude | | ATM | | CASI | | RC-10 | | | Rollei Digital Camera | | |
|-------------------|-------|-----------|-----------|-----------|-----------|-----------|-------|------------|-----------------------|------|-----------|
| Meters | Feet | Swath (m) | Pixel (m) | Swath (m) | Pixel (m) | Swath (m) | km2 | Scale (1:) | Swath (m) | km2 | Pixel (m) |
| 600 | 1970 | 1200 | 1.50 | 620 | 1.20 | 900 | 0.81 | 3910 | 440 | 0.19 | 0.11 |
| 700 | 2300 | 1400 | 1.75 | 720 | 1.40 | 1050 | 1.10 | 4570 | 520 | 0.27 | 0.13 |
| 800 | 2620 | 1600 | 2.00 | 820 | 1.60 | 1210 | 1.46 | 5260 | 590 | 0.35 | 0.14 |
| 900 | 2950 | 1800 | 2.25 | 930 | 1.80 | 1360 | 1.85 | 5910 | 660 | 0.44 | 0.16 |
| 1000 | 3280 | 2000 | 2.50 | 1030 | 2.00 | 1510 | 2.28 | 6570 | 740 | 0.55 | 0.18 |
| 1100 | 3610 | 2200 | 2.75 | 1130 | 2.20 | 1660 | 2.76 | 7220 | 810 | 0.66 | 0.20 |
| 1200 | 3940 | 2400 | 3.00 | 1230 | 2.40 | 1810 | 3.28 | 7870 | 890 | 0.79 | 0.22 |
| 1300 | 4260 | 2600 | 3.25 | 1340 | 2.60 | 1960 | 3.84 | 8520 | 960 | 0.92 | 0.24 |
| 1400 | 4590 | 2800 | 3.50 | 1440 | 2.80 | 2110 | 4.45 | 9170 | 1030 | 1.06 | 0.25 |
| 1500 | 4920 | 3000 | 3.75 | 1540 | 3.00 | 2260 | 5.11 | 9830 | 1110 | 1.23 | 0.27 |
| 1600 | 5250 | 3200 | 4.00 | 1640 | 3.20 | 2410 | 5.81 | 10480 | 1180 | 1.39 | 0.29 |
| 1700 | 5580 | 3400 | 4.25 | 1750 | 3.40 | 2560 | 6.55 | 11130 | 1250 | 1.56 | 0.31 |
| 1800 | 5900 | 3600 | 4.50 | 1850 | 3.60 | 2710 | 7.34 | 11780 | 1330 | 1.77 | 0.33 |
| 1900 | 6230 | 3800 | 4.75 | 1950 | 3.80 | 2860 | 8.18 | 12430 | 1400 | 1.96 | 0.34 |
| 2000 | 6560 | 4000 | 5.00 | 2060 | 4.00 | 3010 | 9.06 | 13090 | 1480 | 2.19 | 0.36 |
| 2100 | 6890 | 4200 | 5.25 | 2160 | 4.20 | 3160 | 9.99 | 13740 | 1550 | 2.40 | 0.38 |
| 2200 | 7220 | 4400 | 5.50 | 2260 | 4.40 | 3320 | 11.02 | 14430 | 1620 | 2.62 | 0.40 |
| 2300 | 7540 | 4600 | 5.75 | 2360 | 4.60 | 3470 | 12.04 | 15090 | 1700 | 2.89 | 0.42 |
| 2400 | 7870 | 4800 | 6.00 | 2470 | 4.80 | 3620 | 13.10 | 15740 | 1770 | 3.13 | 0.43 |
| 2500 | 8200 | 5000 | 6.25 | 2570 | 5.00 | 3770 | 14.21 | 16390 | 1850 | 3.42 | 0.45 |
| 2600 | 8530 | 5200 | 6.50 | 2670 | 5.20 | 3920 | 15.37 | 17040 | 1920 | 3.69 | 0.47 |
| 2700 | 8860 | 5400 | 6.75 | 2780 | 5.40 | 4070 | 16.56 | 17700 | 1990 | 3.96 | 0.49 |
| 2800 | 9180 | 5600 | 7.00 | 2880 | 5.60 | 4220 | 17.81 | 18350 | 2070 | 4.28 | 0.51 |
| 2900 | 9510 | 5800 | 7.25 | 2980 | 5.80 | 4370 | 19.10 | 19000 | 2140 | 4.58 | 0.52 |
| 3000 | 9840 | 6000 | 7.50 | 3080 | 6.00 | 4520 | 20.43 | 19650 | 2210 | 4.88 | 0.54 |
| 3100 | 10170 | 6200 | 7.75 | 3190 | 6.20 | 4670 | 21.81 | 20300 | 2290 | 5.24 | 0.56 |
| 3200 | 10500 | 6400 | 8.00 | 3290 | 6.40 | 4820 | 23.23 | 20960 | 2360 | 5.57 | 0.58 |
| 3300 | 10820 | 6600 | 8.25 | 3390 | 6.60 | 4970 | 24.70 | 21610 | 2440 | 5.95 | 0.60 |
| 3400 | 11150 | 6800 | 8.50 | 3500 | 6.80 | 5120 | 26.21 | 22260 | 2510 | 6.30 | 0.62 |
| 3500 | 11480 | 7000 | 8.75 | 3600 | 7.00 | 5270 | 27.77 | 22910 | 2580 | 6.66 | 0.63 |
| 3600 | 11810 | 7200 | 9.00 | 3700 | 7.20 | 5430 | 29.48 | 23610 | 2660 | 7.08 | 0.65 |

| Notes |
|--|
| Red denotes that instruments will not work below 600m altitude due to high ground speed |
| All tabulated values are approximate |
| ATM pixel resolution is given by the 2.5milliradian (0.143deg) Instantaneous FOV and not the swath width divided by 938 spatial pixels |
| CASI pixel resolution is swath width / 512 spectral pixels |
| RC-10 scale assumes standard negative size of 230mm square |
| Rollei pixel resolution is given by swath width / 4080 pixels |

| Important aircraft and instrument statistics | | | | | |
|--|-----------|------------|--|---------------|---------|
| Minimum aircraft altitude: | 150m | (500ft) | ATM Field of View: | 90.0 | degress |
| Maximum aircraft altitude: | 4570m | (15000ft) | CASI Field of View: | 54.4 | degress |
| Minimum flying speed: | 3.7km/min | (120knots) | RC-10 Field of View: | 74.0 | degress |
| Typical data acquisition speed: | 4.0km/min | (130knots) | Rollei Field of View: | 40.5 | degress |
| Typical turn time between lines: | 3 minutes | | RC-10 Negative size: | 230mm x 230mm | |
| | | | Rollei Digital back: | 4080 x 4080 | pixels |
| | | | LiDAR pulse freq.: | 33 | kHz |
| | | | LiDAR scan angle: | 0 - 40 | degress |
| | | | LiDAR scan freq.: | 0 - 70 | Hz |
| | | | Product of LiDAR scan angle and frequency should not exceed 600. | | |

| Aircraft altitude | | Eagle | | Hawk | |
|-------------------|-------|-----------|-----------|-----------|-----------|
| Meters | Feet | Swath (m) | Pixel (m) | Swath (m) | Pixel (m) |
| 600 | 1970 | 500 | 0.41 | 270 | 0.76 |
| 700 | 2300 | 580 | 0.48 | 310 | 0.89 |
| 800 | 2620 | 660 | 0.54 | 360 | 1.02 |
| 900 | 2950 | 750 | 0.61 | 400 | 1.14 |
| 1000 | 3280 | 830 | 0.68 | 450 | 1.27 |
| 1100 | 3610 | 910 | 0.75 | 490 | 1.40 |
| 1200 | 3940 | 1000 | 0.82 | 530 | 1.52 |
| 1300 | 4260 | 1080 | 0.89 | 580 | 1.65 |
| 1400 | 4590 | 1160 | 0.95 | 620 | 1.78 |
| 1500 | 4920 | 1250 | 1.02 | 670 | 1.91 |
| 1600 | 5250 | 1330 | 1.09 | 710 | 2.03 |
| 1700 | 5580 | 1410 | 1.16 | 760 | 2.16 |
| 1800 | 5900 | 1490 | 1.23 | 800 | 2.29 |
| 1900 | 6230 | 1580 | 1.29 | 850 | 2.41 |
| 2000 | 6560 | 1660 | 1.36 | 890 | 2.54 |
| 2100 | 6890 | 1740 | 1.43 | 930 | 2.67 |
| 2200 | 7220 | 1830 | 1.50 | 980 | 2.79 |
| 2300 | 7540 | 1910 | 1.57 | 1020 | 2.92 |
| 2400 | 7870 | 1990 | 1.63 | 1070 | 3.05 |
| 2500 | 8200 | 2080 | 1.70 | 1110 | 3.18 |
| 2600 | 8530 | 2160 | 1.77 | 1160 | 3.30 |
| 2700 | 8860 | 2240 | 1.84 | 1200 | 3.43 |
| 2800 | 9180 | 2320 | 1.91 | 1250 | 3.56 |
| 2900 | 9510 | 2410 | 1.97 | 1290 | 3.68 |
| 3000 | 9840 | 2490 | 2.04 | 1340 | 3.81 |
| 3100 | 10170 | 2570 | 2.11 | 1380 | 3.94 |
| 3200 | 10500 | 2660 | 2.18 | 1420 | 4.06 |
| 3300 | 10820 | 2740 | 2.25 | 1470 | 4.19 |
| 3400 | 11150 | 2820 | 2.32 | 1510 | 4.32 |
| 3500 | 11480 | 2910 | 2.38 | 1560 | 4.45 |
| 3600 | 11810 | 2990 | 2.45 | 1600 | 4.57 |

| Notes |
|--|
| Red denotes that instruments will not work below 600m altitude due to high ground speed |
| All tabulated values are approximate |
| Eagle pixel resolution is given by the 0.039deg Instantaneous FOV and not the swath width divided by 1024 spatial pixels |
| Hawk pixel resolution is given by the 0.0729deg Instantaneous FOV and not the swath width divided by 320 spatial pixels |

| Important aircraft and instrument statistics | | | | | | |
|--|-----------|------------|-----------------------|--------------|----------------------|---------------|
| Minimum aircraft altitude: | 150m | (500ft) | Eagle Field of View: | 39.7 degrees | Hawk Field of View: | 24.0 degrees |
| Maximum aircraft altitude: | 4570m | (15000ft) | Eagle spatial pixels: | 1024 | Hawk spatial pixels: | 320 |
| Minimum flying speed: | 3.7km/min | (120knots) | Eagle spectral range: | 400 - 970nm | Hawk spectral range: | 1000 - 2400nm |
| Typical data acquisition speed: | 4.0km/min | (130knots) | Eagle spectral res.: | 2.9nm | Hawk spectral res.: | 8nm |
| Typical turn time between lines: | 3 minutes | | | | | |